



# SAFETY DATA SHEET

Revision Date 03/10/2016

REVISION NUMBER: 2

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### Product identifier

**Product name** 135 PROBLEM SOLVER

### Other means of identification

**Product code** 117674

**UN/ID No.** 1950

**Synonyms** NONE

### Recommended use of the chemical and restrictions on use

**Recommended Use** Cleaning agent.

**Uses advised against** No information available

### Details of the supplier of the safety data sheet

#### **Manufacturer Address**

See Distributor information.

#### **Importer**

Rochester Midland Limited

5353 John Lucas Drive

Suite 103

Burlington, ON L7L 6G5

Canada

#### **Distributor**

Rochester Midland Corporation

155 Paragon Drive

Rochester, New York 14624 USA

### Emergency telephone number

#### **EMERGENCY TELEPHONE**

INFOTRAC: 1-800-535-5053

OUTSIDE U.S.: +1-352-323-3500

CANUTEC: 613-996-6666

## 2. HAZARDS IDENTIFICATION

### Classification

#### **OSHA Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

This chemical is considered hazardous by the WHMIS 2015 Hazardous Products Regulation.

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2
Flammable Aerosols	Category 1

### Label elements

#### **Emergency Overview**

**DANGER**

#### **Hazard statements**

Causes skin irritation

Causes serious eye irritation

Extremely flammable aerosol



**Appearance** Tan
**Physical state** Aerosol Gas
**Odor** Solvent

**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling  
 Wear protective gloves/protective clothing/eye protection/face protection  
 Keep away from heat/sparks/open flames/hot surfaces. — No smoking  
 Do not spray on an open flame or other ignition source  
 Pressurized container: Do not pierce or burn, even after use

**Precautionary Statements - Response**

Call a POISON CENTER or doctor/physician if you feel unwell  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 If eye irritation persists: Get medical advice/attention  
 IF ON SKIN: Wash with plenty of soap and water  
 If skin irritation occurs: Get medical advice/attention  
 Take off contaminated clothing and wash before reuse

**Precautionary Statements - Storage**

Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F

**Hazards not otherwise classified (HNOC)**

No information available

**Other Information**

- Harmful to aquatic life.
- Harmful to aquatic life with long lasting effects.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

PRODUCT COMPOSITION	CAS No.	%	TRADE SECRET
2-Butoxyethanol	111-76-2	20 - 40	*
Butane	106-97-8	2.5 - 10	*
Propane	74-98-6	1 - 2.5	*
Pine oil	8002-09-3	0.1 - 1	*

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

**4. FIRST AID MEASURES**

**First aid measures**

**General advice** Call a POISON CENTER or doctor/physician if you feel unwell.

**Eye contact** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

**Skin contact** IF ON SKIN: Gently wash with plenty of soap and water. If skin irritation occurs: Get medical advice/ attention. Remove contaminated clothing and launder before reuse.

**Inhalation** IF INHALED: Remove to fresh air.  
**Ingestion** IF SWALLOWED: Clean mouth with water and drink afterwards plenty of water.

**Most important symptoms and effects, both acute and delayed**

**Symptoms** No information available.

**Indication of any immediate medical attention and special treatment needed**

**Note to physicians** Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media**

Alcohol resistant foam. Water spray (fog). Dry chemical. Carbon dioxide (CO<sub>2</sub>).

**Unsuitable extinguishing media** Do not use a solid water stream as it may scatter and spread fire.

**Specific hazards arising from the chemical**

EXTREMELY FLAMMABLE. Pressurized container may explode when exposed to heat or flame.

**Explosion data**

**Sensitivity to Mechanical Impact** NONE.

**Sensitivity to Static Discharge** NONE.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Move containers from fire area if you can do it without risk. Cool exposed containers with water spray. In the event of fire and/or explosion do not breathe fumes. For massive fire, use unmanned hose holders or monitor nozzles; if this is impossible withdraw from area and let fire burn.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Evacuate personnel to safe areas. Wear adequate personal protective equipment, see Section 8, Exposure Controls/Personal Protection. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate affected area. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).

**Environmental precautions**

**Environmental precautions** Avoid release to the environment. Dispose of contents/container to an approved waste disposal plant. Do not allow into any sewer, on the ground or into any body of water. See Section 12 for additional ecological information.

**Methods and material for containment and cleaning up**

**Methods for containment** Prevent further leakage or spillage if safe to do so. Stop the flow of gas or remove cylinder to outdoor location if this can be done without risk. If leak is in container or container valve, contact the appropriate emergency telephone number in Section 1. Isolate area until gas has dispersed.

**Methods for cleaning up** Pick up with absorbant material. Following product recovery, flush area with water.

## 7. HANDLING AND STORAGE

**Precautions for safe handling**

**Advice on safe handling** Contents under pressure. Never pierce, drill, grind, cut, saw or weld any empty container. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. All equipment used when handling the product must be grounded. Do not reuse container. Avoid contact with eyes, skin and clothing. Avoid prolonged contact. Use only in well-ventilated areas. Use personal protection recommended in Section 8. Handle in accordance with good industrial hygiene and safety practice.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Protect from sunlight. Store at temperatures not exceeding 50 °C/ 122 °F. Emptied containers may retain hazardous properties. Do not cut, puncture or weld on or near the container. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Observe proper grounding procedures to prevent fire hazard from static accumulation and discharge. Store in a cool, dry location away from incompatible materials.

**Incompatible materials** Acids. Oxidizing materials. Nitrates. Fluorine. Chlorine.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

**Exposure Guidelines**

PRODUCT COMPOSITION	ACGIH TLV	OSHA PEL	NIOSH IDLH
2-Butoxyethanol 111-76-2	TWA: 20 ppm	S* (vacated) S* (vacated) TWA: 25 ppm (vacated) TWA: 120 mg/m <sup>3</sup> TWA: 50 ppm TWA: 240 mg/m <sup>3</sup>	700 ppm
Butane 106-97-8	STEL: 1000 ppm	(vacated) TWA: 800 ppm (vacated) TWA: 1900 mg/m <sup>3</sup>	-
Propane 74-98-6	TWA: 1000 ppm	(vacated) TWA: 1000 ppm (vacated) TWA: 1800 mg/m <sup>3</sup> TWA: 1000 ppm TWA: 1800 mg/m <sup>3</sup>	2100 ppm

**Appropriate engineering controls**

**ENGINEERING CONTROLS** Showers  
Eyewash stations  
Ventilation systems.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** Safety glasses are recommended to minimize eye contact.

**Skin and body protection** Chemical resistant gloves are recommended to minimize skin contact. Appropriate protective clothing as needed to prevent skin contact. It is the responsibility of the end user of this product to determine level of PPE required that is consistent with safe use of this product.

**RESPIRATORY PROTECTION** Use approved NIOSH respiratory protection if TLV/PEL exceeded or if over exposure is likely.

**General Hygiene Considerations** Do not eat, drink or smoke when using this product. Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

**Physical state** Aerosol Gas

<b>Appearance</b>	Tan	<b>Odor</b>	Solvent
<b>Color</b>	Light Brown or Tan	<b>Odor threshold</b>	No information available
<b>Property</b>	<b>Values</b>	<b>Remarks • Method</b>	
<b>pH</b>	12	+/- 0.5	
<b>Melting point/freezing point</b>	No information available		
<b>Boiling point / boiling range</b>	87 °C / 189 °F		
<b>Flash point</b>	-104 °C / -156 °F	Estimated for propellant	
<b>Evaporation rate</b>	No information available		
<b>Flammability (solid, gas)</b>	No information available		
<b>Flammability Limit in Air</b>			
<b>Upper flammability limit:</b>	No information available		
<b>Lower flammability limit:</b>	No information available		
<b>Vapor pressure</b>	3600 - 4640	mm Hg @ 20°C	
<b>Vapor density</b>	No information available		
<b>Specific gravity</b>	0.905		
<b>Water solubility</b>	No information available		
<b>Solubility in other solvents</b>	No information available		
<b>Partition coefficient</b>	No information available		
<b>Autoignition temperature</b>	230 °C / 446 °F		
<b>Decomposition temperature</b>	No information available		
<b>Kinematic viscosity</b>	No information available		
<b>Dynamic viscosity</b>	No information available		
<b>Explosive properties</b>	No information available		
<b>Oxidizing properties</b>	No information available		
<b><u>Other Information</u></b>			
<b>Softening point</b>	No information available		
<b>VOC (EPA METH.24) (G/L):</b>	No information available		
<b>Density</b>	No information available		
<b>Bulk density</b>	No information available		

## 10. STABILITY AND REACTIVITY

### **REACTIVITY**

No data available

### **Chemical stability**

Stable under recommended storage conditions.

### **Possibility of Hazardous Reactions**

None under normal processing.

### **CONDITIONS TO AVOID**

Extremes of temperature and direct sunlight. Heat, flames and sparks. Incompatible materials.

### **Incompatible materials**

Acids. Oxidizing materials. Nitrates. Fluorine. Chlorine.

### **Hazardous Decomposition Products**

None known based on information supplied.

## 11. TOXICOLOGICAL INFORMATION

### **Information on likely routes of exposure**

<b>Product Information</b>	Serious eye damage/eye irritation.
<b>Inhalation</b>	No data available.

<b>Eye contact</b>	Severely irritating to eyes.
<b>Skin contact</b>	Causes skin irritation.
<b>Ingestion</b>	Large amounts may cause irritation, nausea, diarrhea.

PRODUCT COMPOSITION	Oral LD50	Dermal LD50	Inhalation LC50
2-Butoxyethanol 111-76-2	= 470 mg/kg ( Rat )	= 220 mg/kg ( Rabbit )	= 450 ppm ( Rat ) 4 h
Butane 106-97-8	-	-	= 658 g/m <sup>3</sup> ( Rat ) 4 h
Propane 74-98-6	-	-	= 658 mg/L ( Rat ) 4 h

**Information on toxicological effects**

**Symptoms** No information available.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Sensitization** No information available.  
**Germ cell mutagenicity** No information available.  
**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen.

PRODUCT COMPOSITION	ACGIH	IARC	NTP	OSHA
2-Butoxyethanol 111-76-2	A3	Group 3	-	-

**Reproductive Toxicity** No information available.  
**STOT - single exposure** No information available.  
**STOT - repeated exposure** No information available.  
**Aspiration hazard** No information available.

**Numerical measures of toxicity - Product Information****12. ECOLOGICAL INFORMATION****Ecotoxicity**

Harmful to aquatic life. Harmful to aquatic life with long lasting effects.

PRODUCT COMPOSITION	Algae/aquatic plants	Fish	Crustacea
2-Butoxyethanol 111-76-2	-	2950: 96 h Lepomis macrochirus mg/L LC50 1490: 96 h Lepomis macrochirus mg/L LC50 static	1000: 48 h Daphnia magna mg/L EC50
Pine oil 8002-09-3	-	-	17 - 28: 48 h Daphnia magna mg/L EC50 Flow through

**Persistence and degradability**

No information available.

**Bioaccumulation**

No information available.

PRODUCT COMPOSITION	Partition coefficient
2-Butoxyethanol 111-76-2	0.81
Butane 106-97-8	2.89
Propane 74-98-6	2.8

**Other adverse effects** No information available

### 13. DISPOSAL CONSIDERATIONS

#### Waste treatment methods

<b>Disposal of wastes</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.
<b>Contaminated packaging</b>	Do not reuse container. Pressurized container: Do not pierce or burn, even after use.

### 14. TRANSPORT INFORMATION

#### DEPT. OF TRANSPORTATION

<b>UN/ID No.</b>	1950
<b>Proper shipping name</b>	AEROSOLS, FLAMMABLE (each not exceeding 1 L capacity)
<b>Hazard Class</b>	2.1
<b>Description</b>	1 Liter (0.26 Gallons) and Less may be classed as LTD. QTY.

#### TDG

<b>UN/ID No.</b>	1950
<b>Proper shipping name</b>	AEROSOLS, FLAMMABLE (each not exceeding 1 L capacity)
<b>Hazard Class</b>	2.1
<b>Description</b>	1 Liter (0.26 Gallons) and Less may be classed as LTD. QTY.

### 15. REGULATORY INFORMATION

#### International Inventories

<b>TSCA</b>	Complies
<b>DSL/NDSL</b>	Complies
<b>EINECS/ELINCS</b>	Does not Comply
<b>ENCS</b>	Does not Comply
<b>IECSC</b>	Complies
<b>KECL</b>	Complies
<b>PICCS</b>	Complies
<b>AICS</b>	Complies

#### Legend:

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances

#### US Federal Regulations

##### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

<b>PRODUCT COMPOSITION</b>	<b>SARA 313 - Threshold Values %</b>
2-Butoxyethanol - 111-76-2	1.0

**SARA 311/312 Hazard Categories**

<b>ACUTE HEALTH HAZARD</b>	YES
<b>CHRONIC HEALTH HAZARD</b>	No
<b>FIRE HAZARD</b>	YES
<b>Sudden release of pressure hazard</b>	YES
<b>REACTIVE HAZARD</b>	No

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

**US State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals

**U.S. State Right-to-Know Regulations**

PRODUCT COMPOSITION	NJRTK:	MARTK:	PARTK:
2-Butoxyethanol 111-76-2	Listed	Listed	Listed
Butane 106-97-8	0273	Listed	Listed
Propane 74-98-6	1594	Listed	Listed
Pine oil 8002-09-3	Listed		

**U.S. EPA Label Information**

EPA Pesticide Registration Number Not applicable

**16. OTHER INFORMATION**

**NFPA**

Health hazards 1  
 Flammability 4  
 Instability 0  
 Physical and Chemical Properties -

**HMIS**

Health hazards 1  
 Flammability 4  
 Physical hazards 0  
 Personal protection B

Revision Date 03/10/2016

**Revision Note**

Revised the transportation classification in Section 14.

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**\*\*\* END OF SDS \*\*\***